

Do not enter  
05/31/05  
MEC

**IN THE CLAIMS:**

Please cancel claims 24, 35 and 39-41 without prejudice. Please amend claims 19-23, 25-34, 36-38 as indicated below. The following is a complete listing of all claims and replaces any prior listing.

Claims 1-18 Cancelled.

19. (Currently amended) A substance composition comprising a carbon nanotube, an enzyme co-factor ~~electrochemiluminescence co-reactant~~ attached to said carbon nanotube, and an electrochemiluminescent label attached to said carbon nanotube, wherein said enzyme co-factor is selected from a group consisting of NADH, NADPH, NAD+, NADP+ or a derivative thereof.

20. (Currently amended) The substance composition of claim 19, wherein said electrochemiluminescent label comprises a metal atom.

21. (Currently amended) The substance composition of claim 20, wherein said metal is Ru, Os or Re.

22. (Currently amended) The substance composition of claim 20, wherein said metal is Ru.

23. (Currently amended) The substance composition of claim 19, wherein said electrochemiluminescent label is Ru(bpy)<sub>3</sub><sup>2+</sup>.

24. Cancelled.

25. (Currently amended) The substance composition of claim 19, wherein said electrochemiluminescent label is attached to said carbon nanotube via a functional group.

26. (Currently amended) The substance composition of claim 19, wherein said electrochemiluminescence co-reactant is attached to said carbon nanotube via a functional group.